

FIG. 2

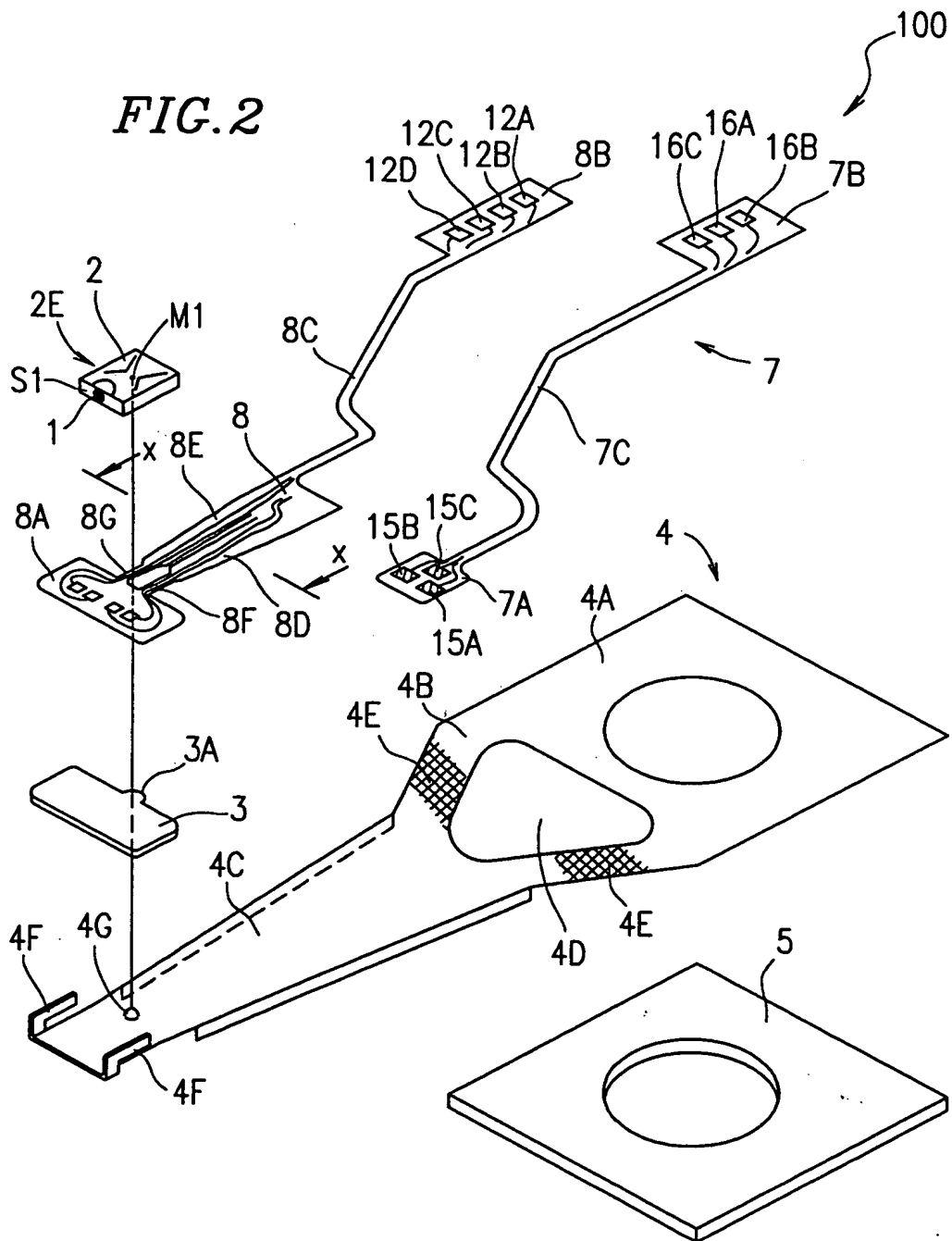


FIG. 3

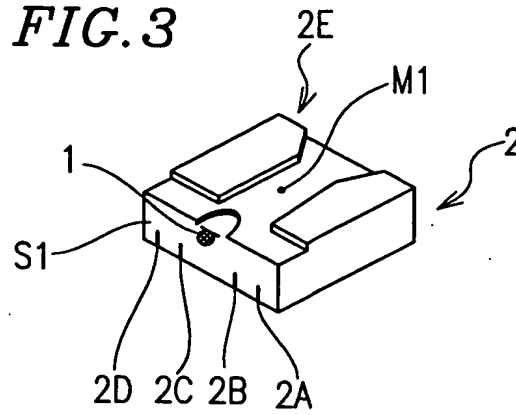
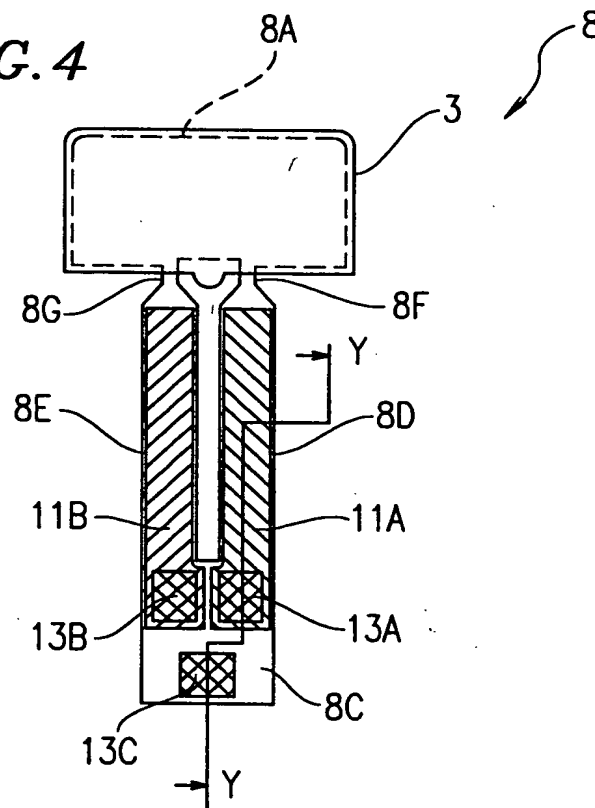
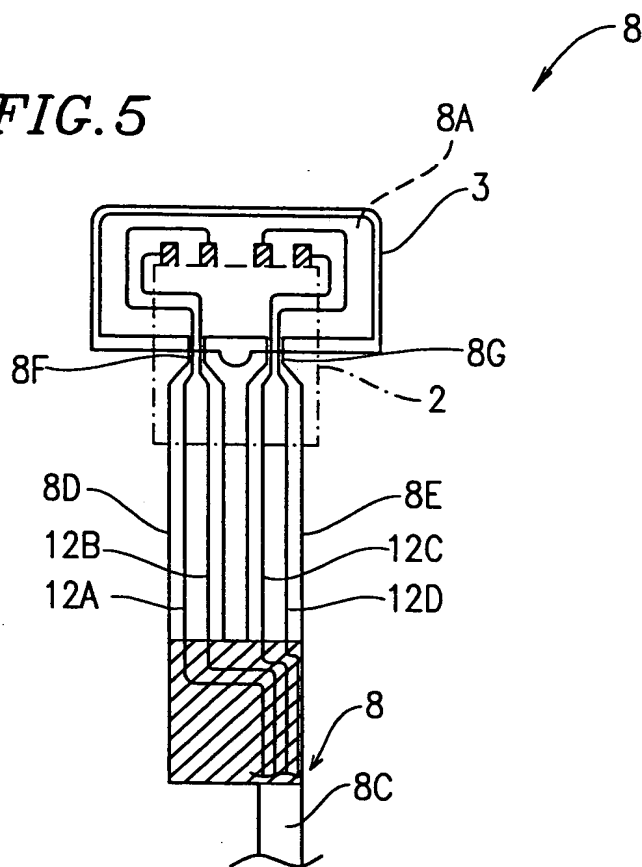
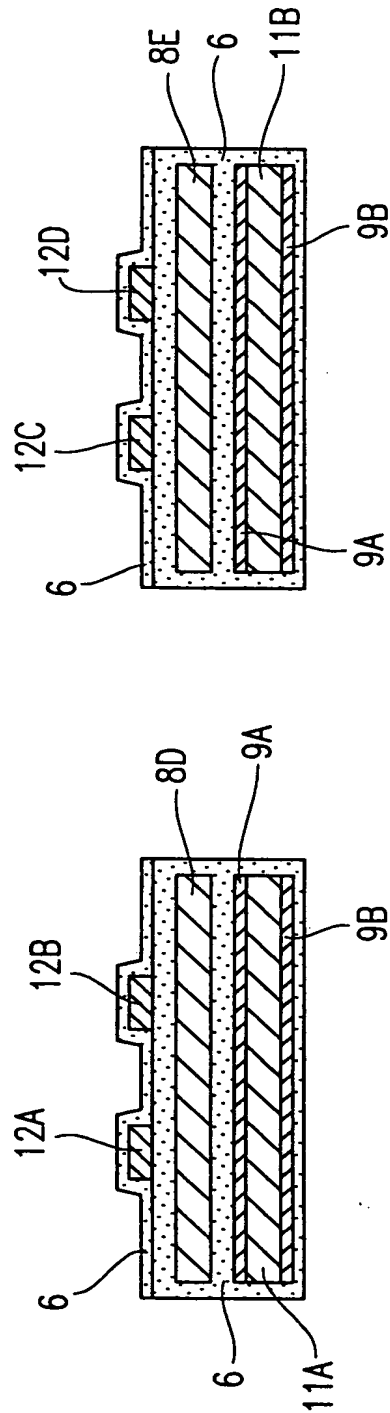


FIG. 4







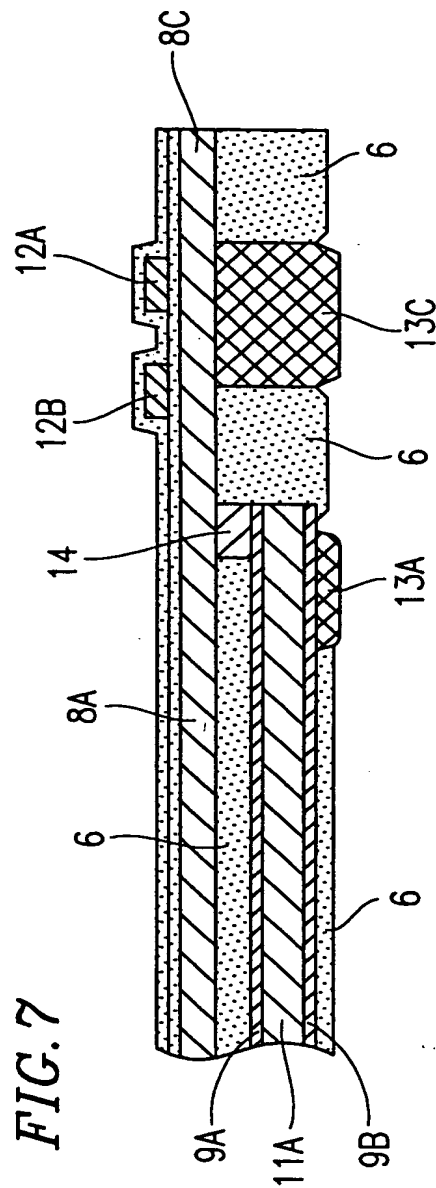


FIG. 8

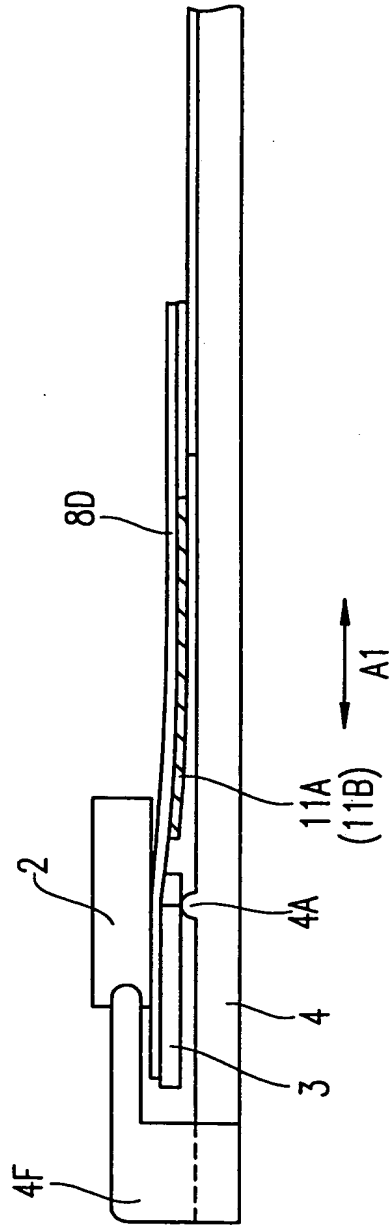
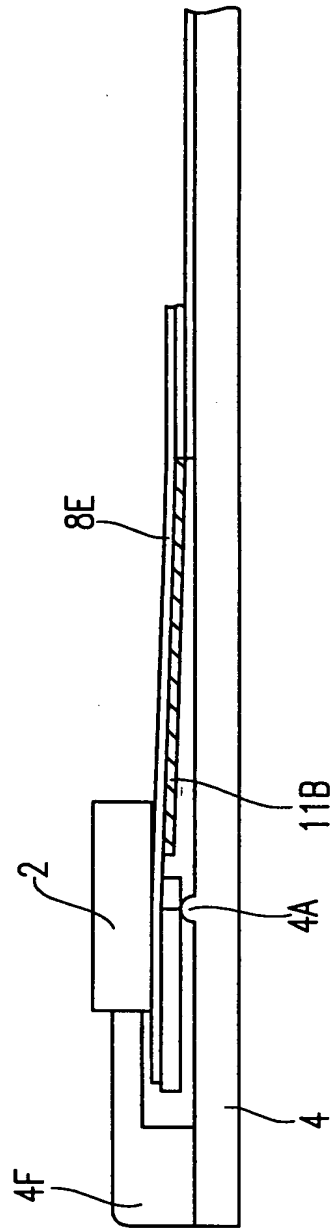


FIG. 9



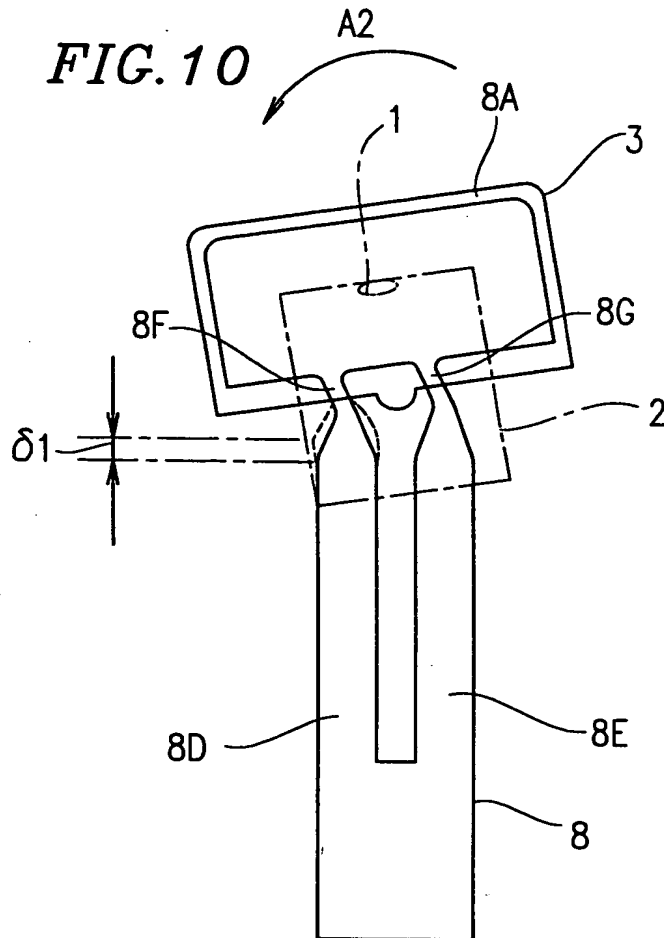


FIG. 11

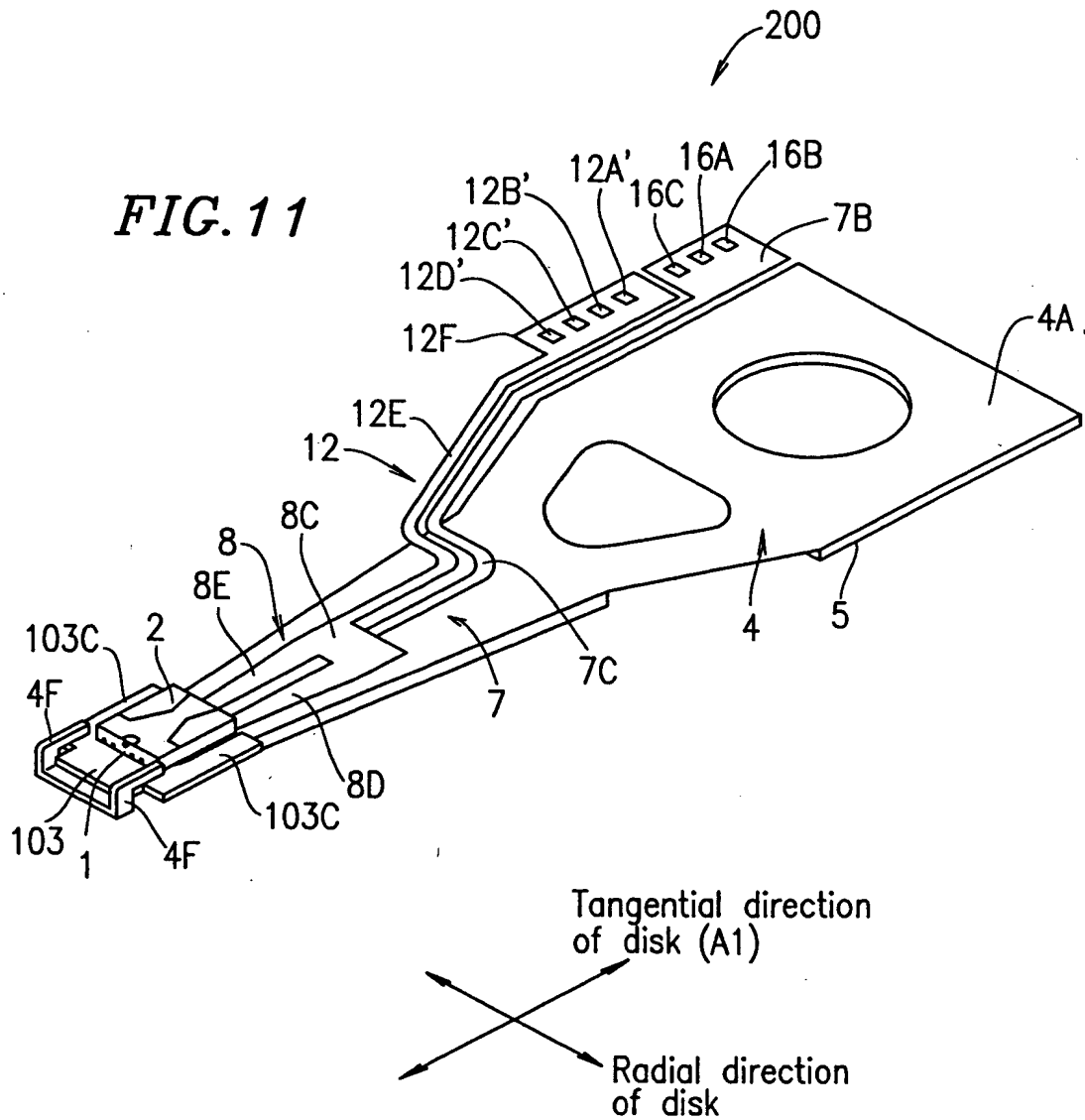


FIG. 12

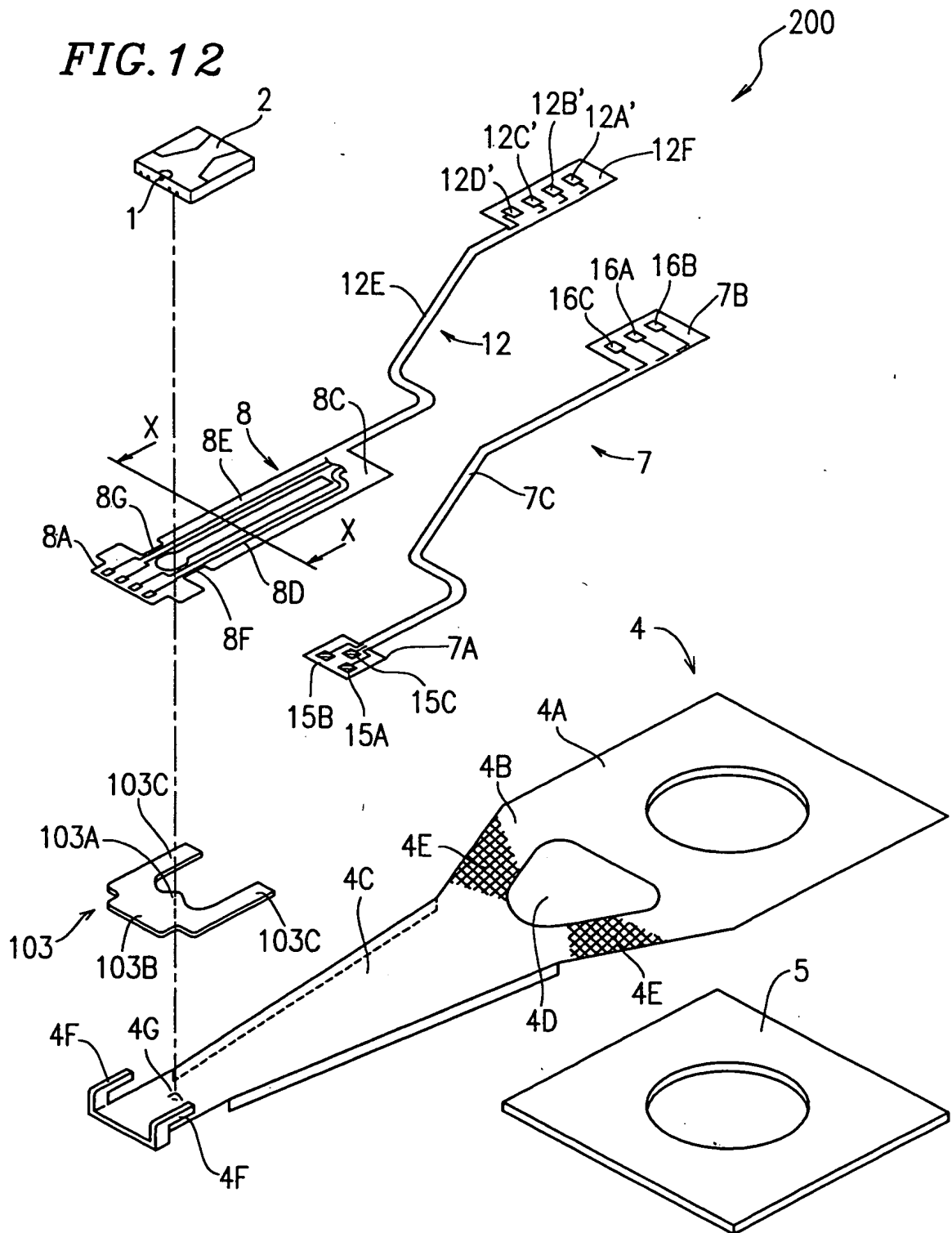


FIG. 13

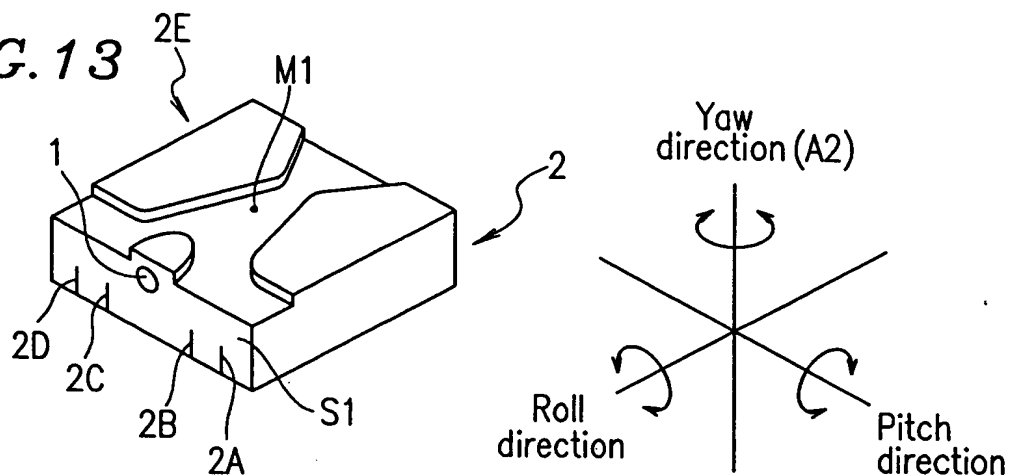


FIG. 14

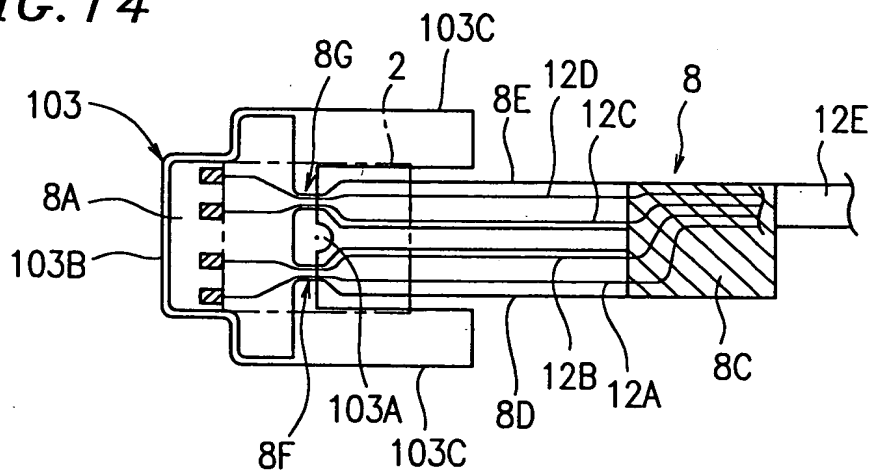


FIG. 15

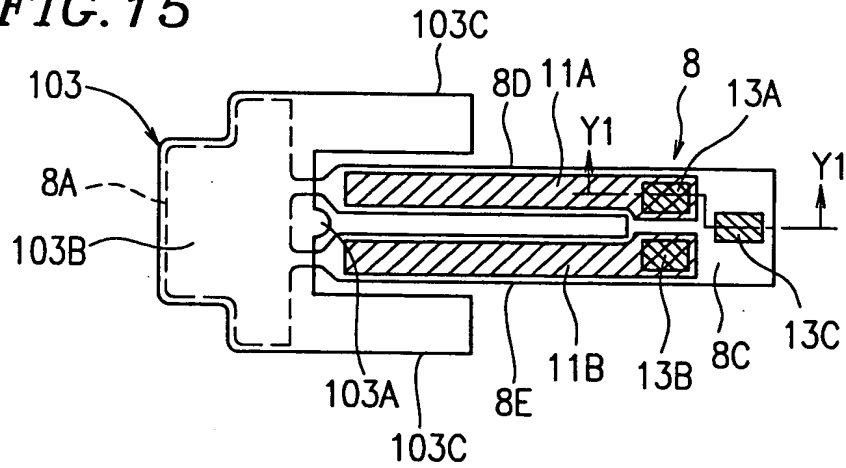


FIG. 16

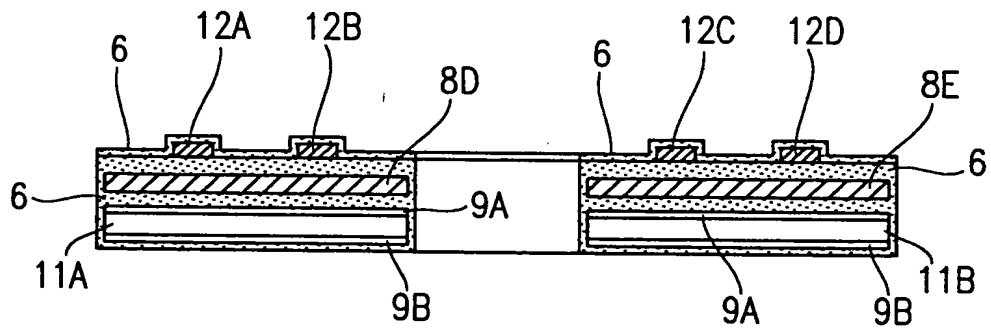


FIG. 17

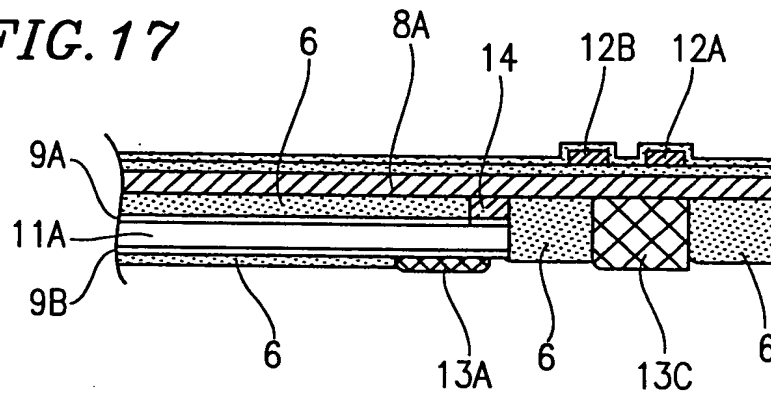


FIG. 18

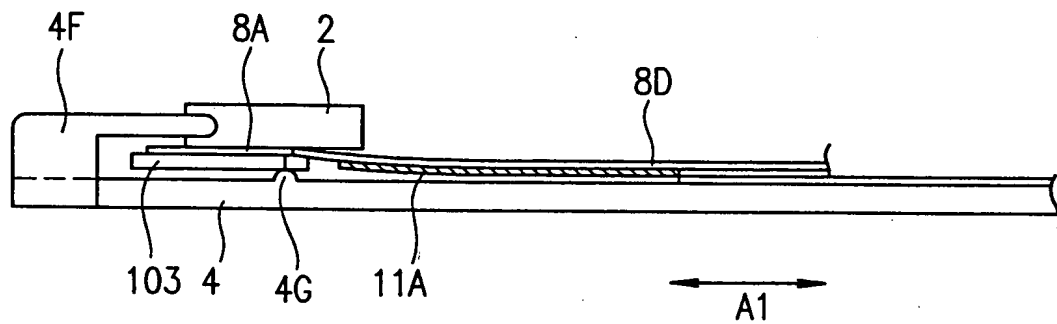


FIG. 19

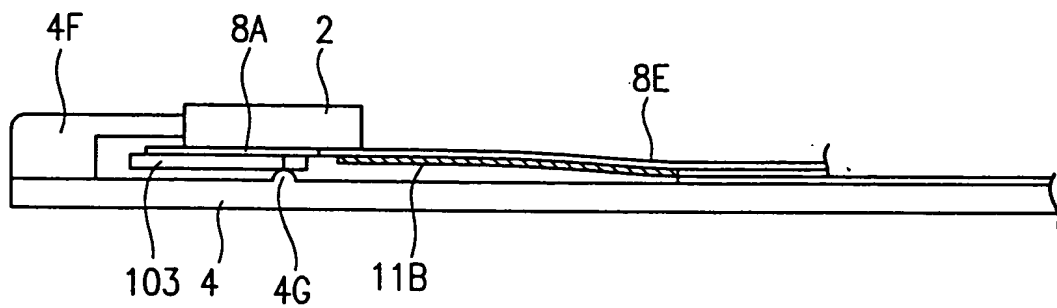


FIG. 20

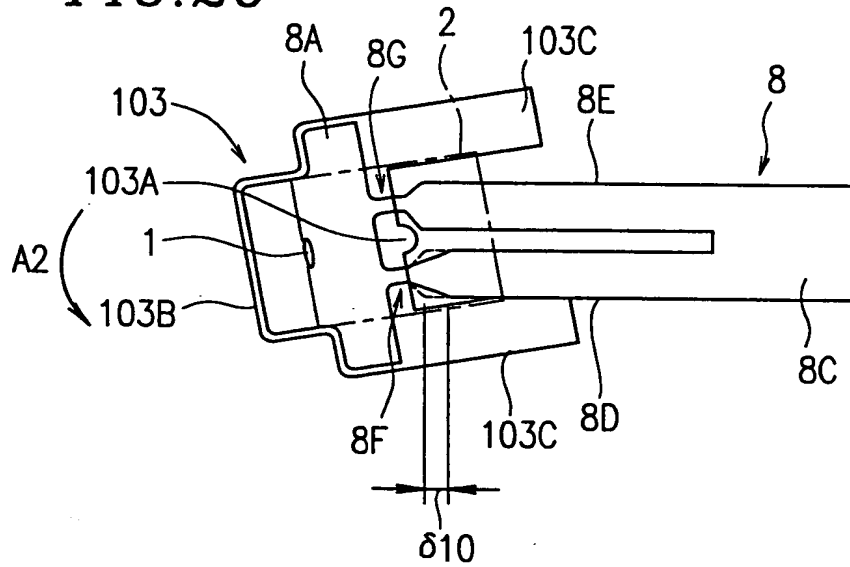


FIG. 21A

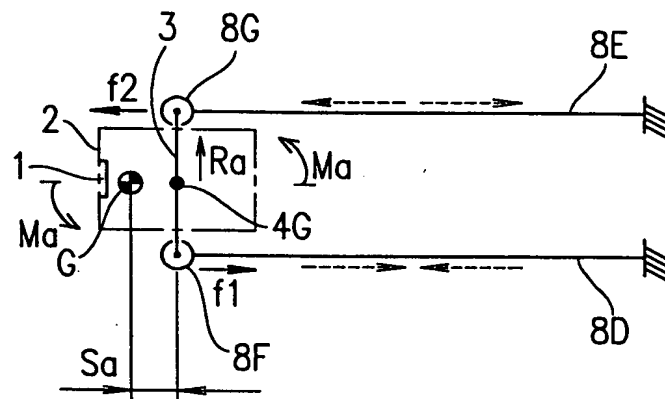
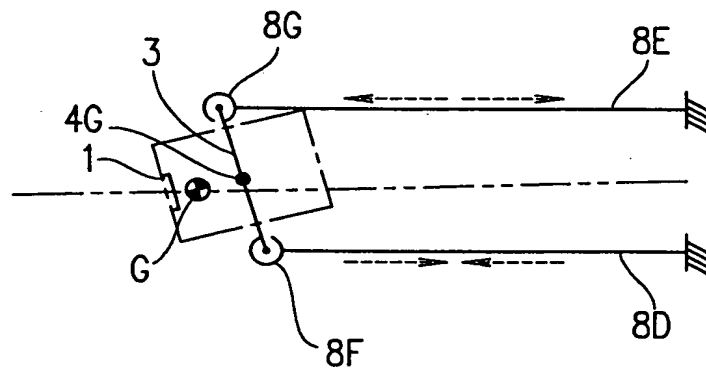


FIG. 21B



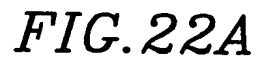


FIG.23A

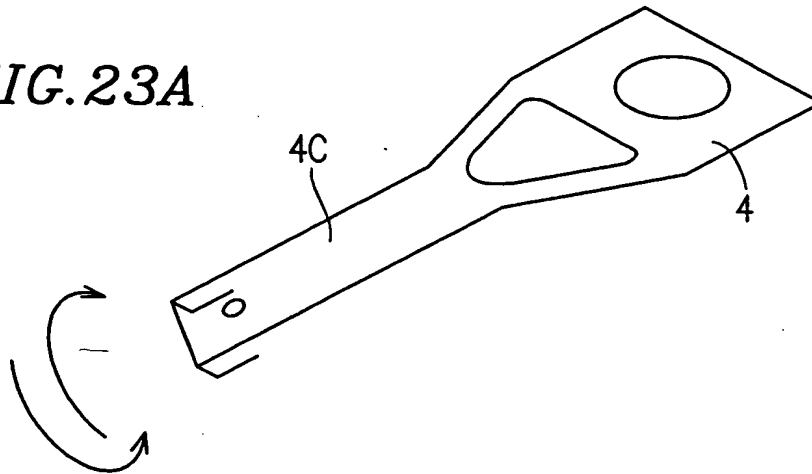


FIG.23B

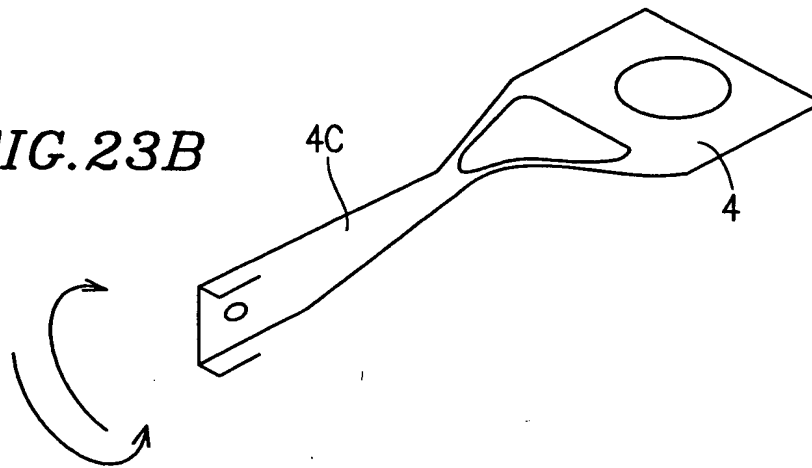
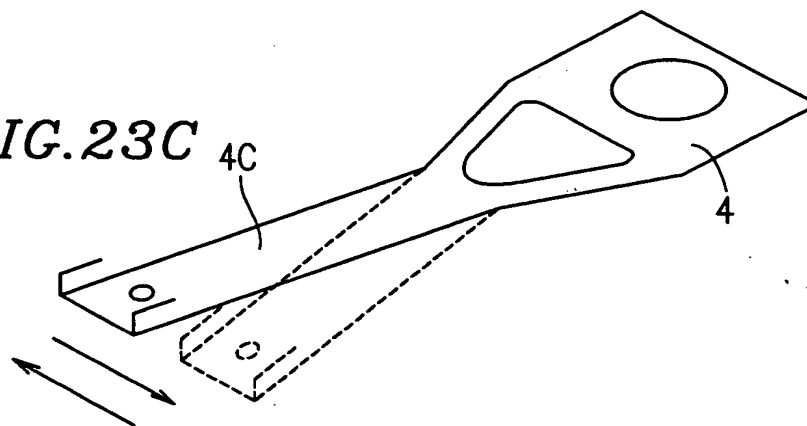


FIG.23C



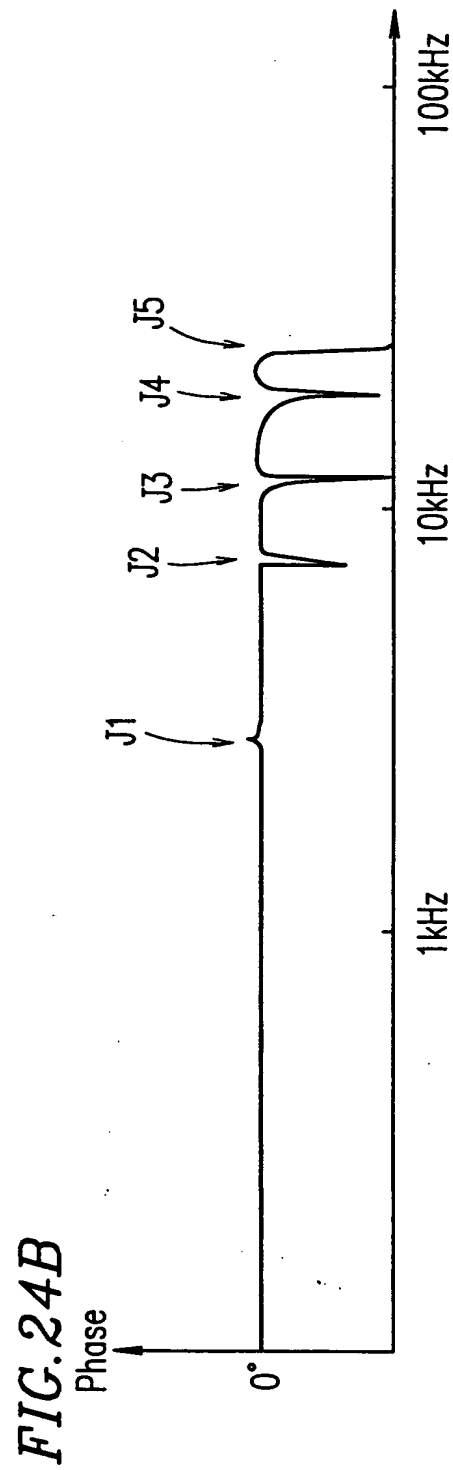
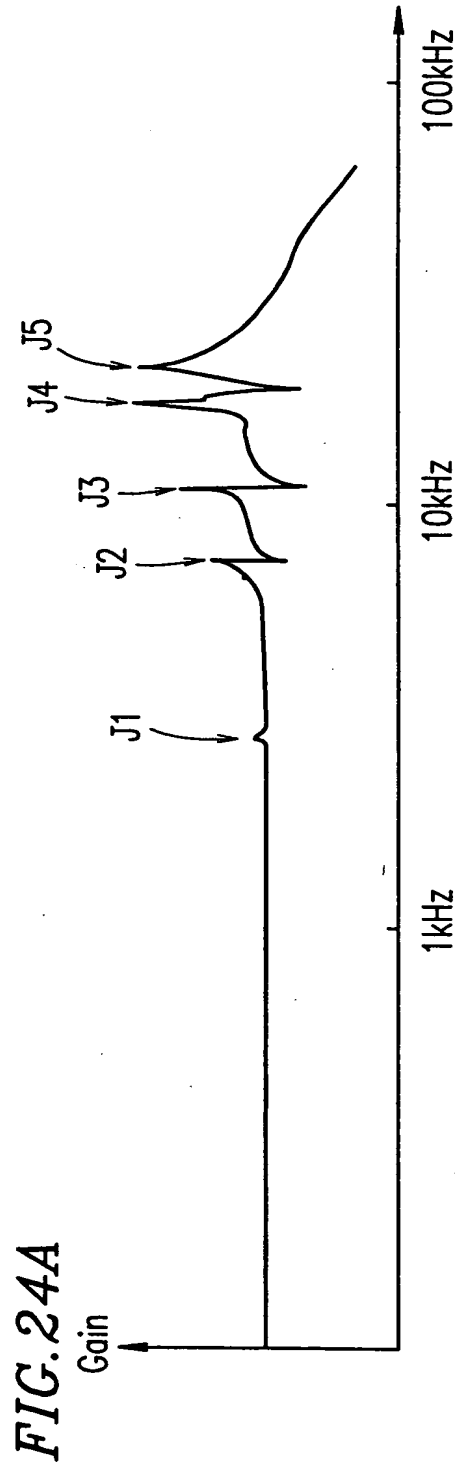


FIG. 25A



FIG. 25B

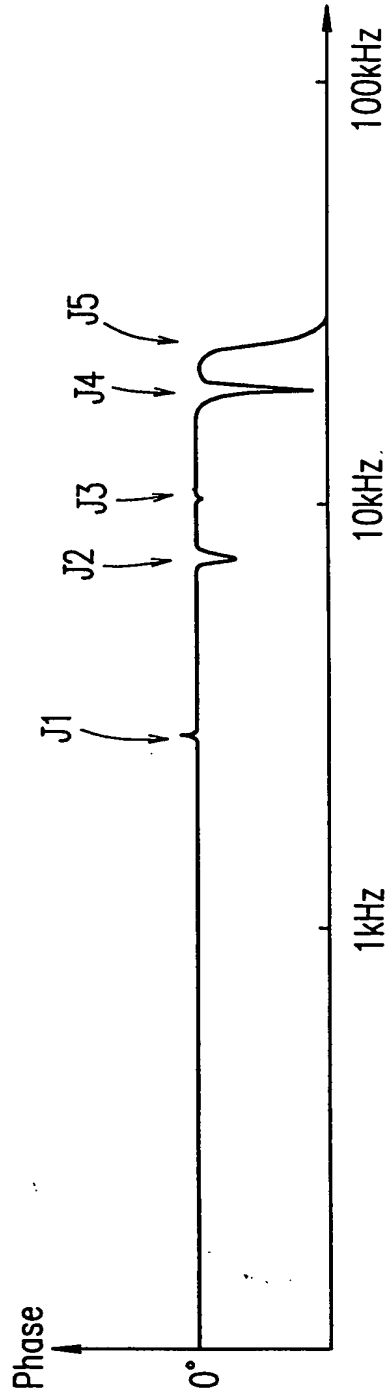


FIG. 26A

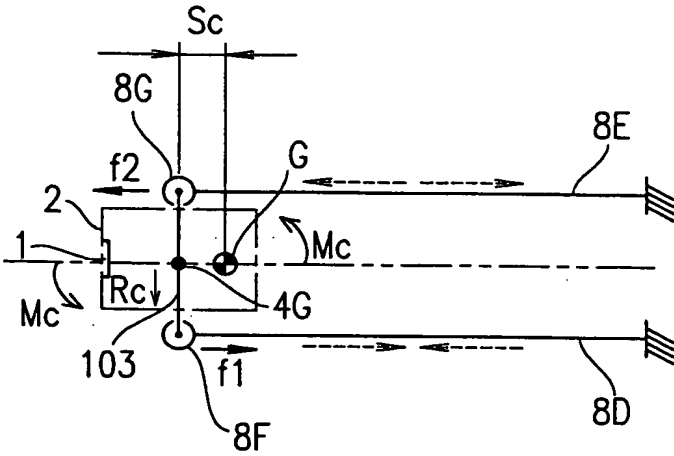


FIG. 26B

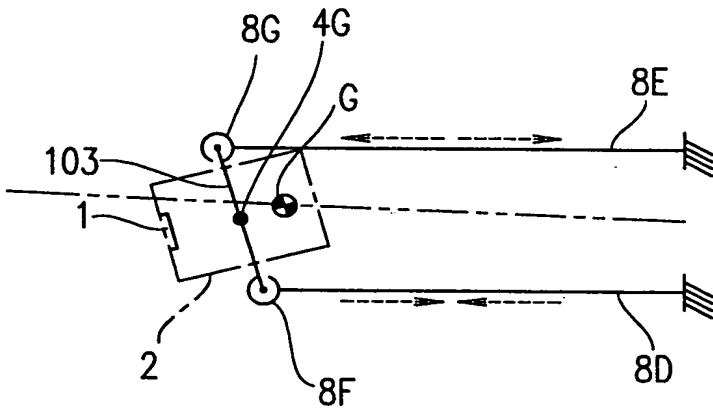


FIG. 27A

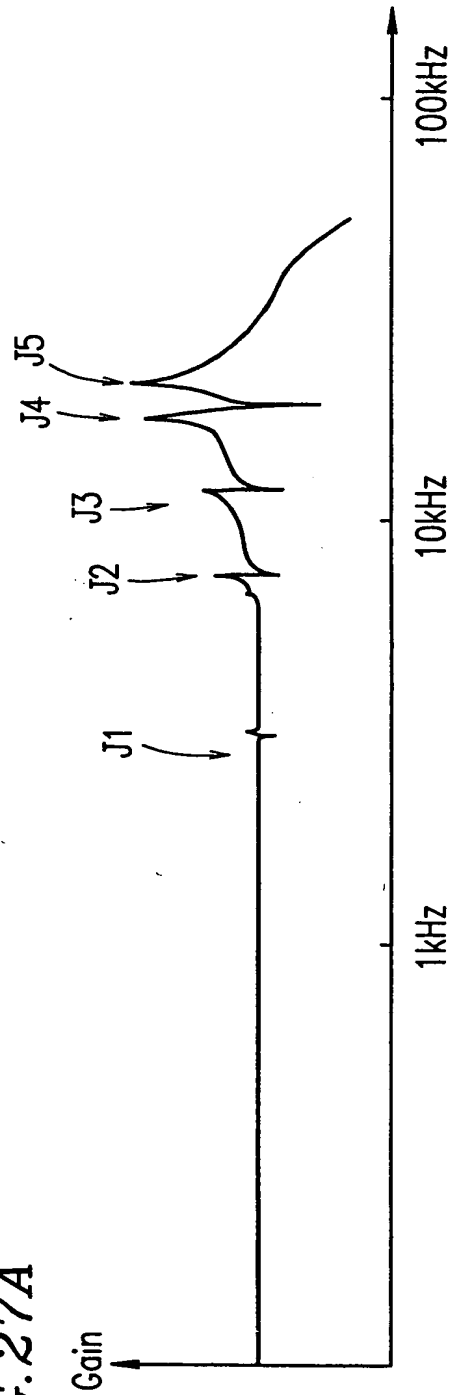
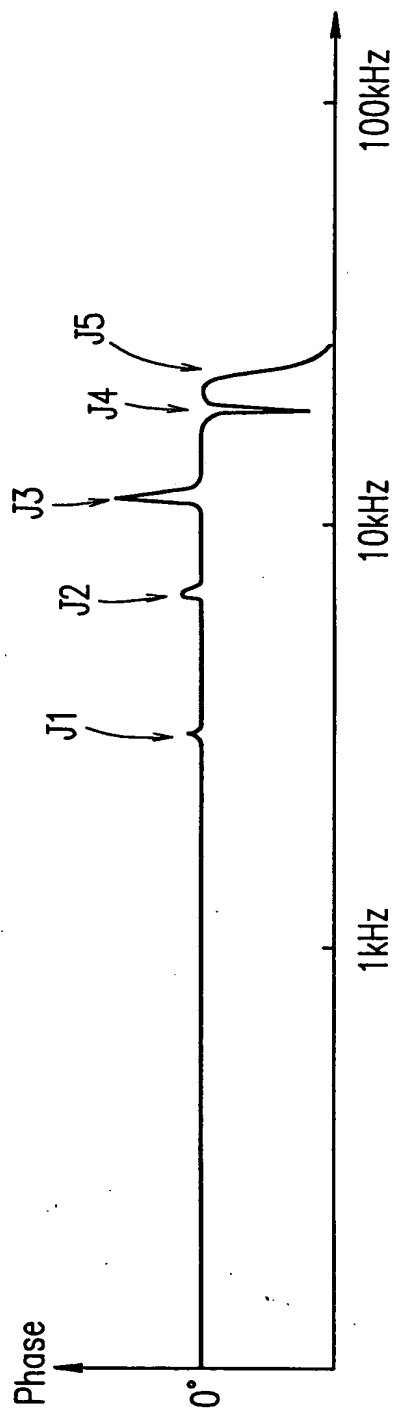
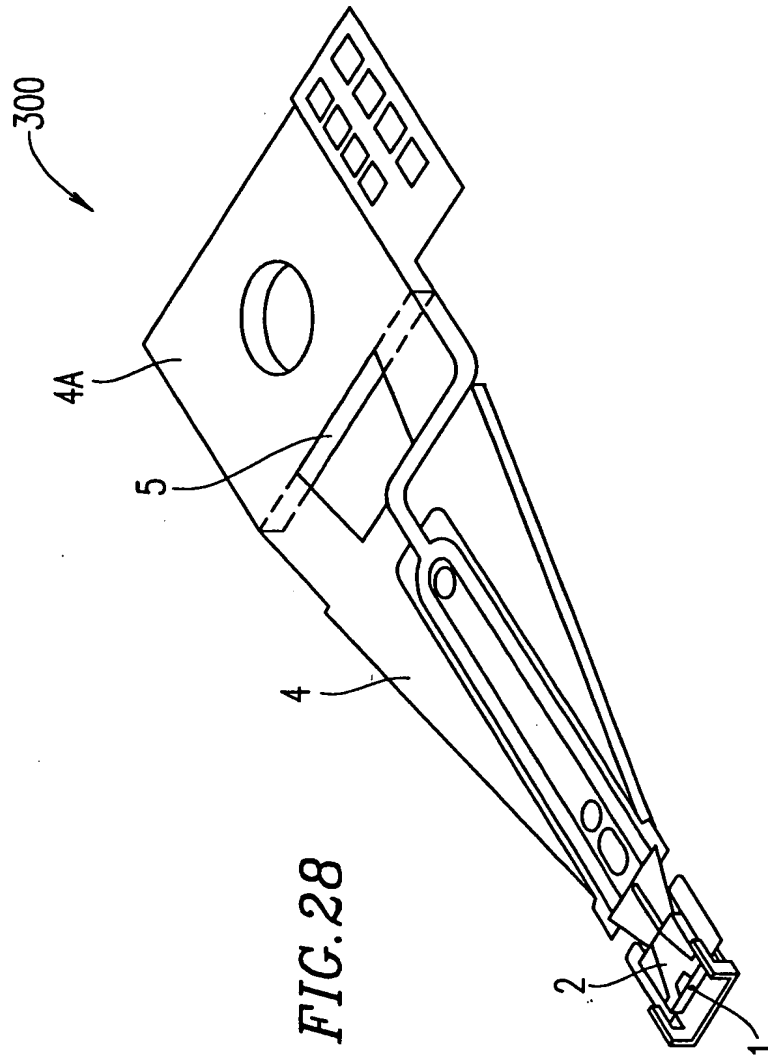
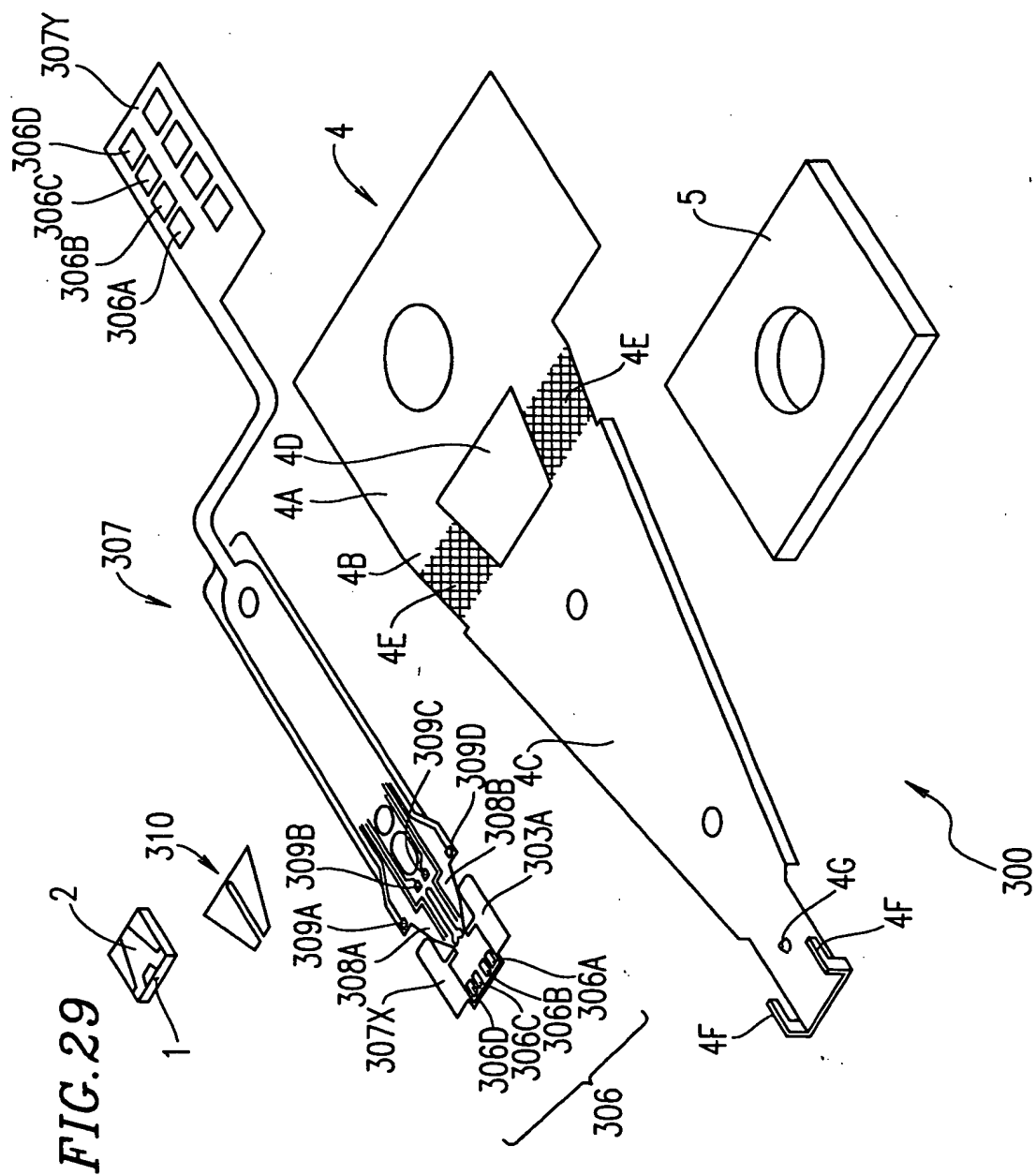


FIG. 27B







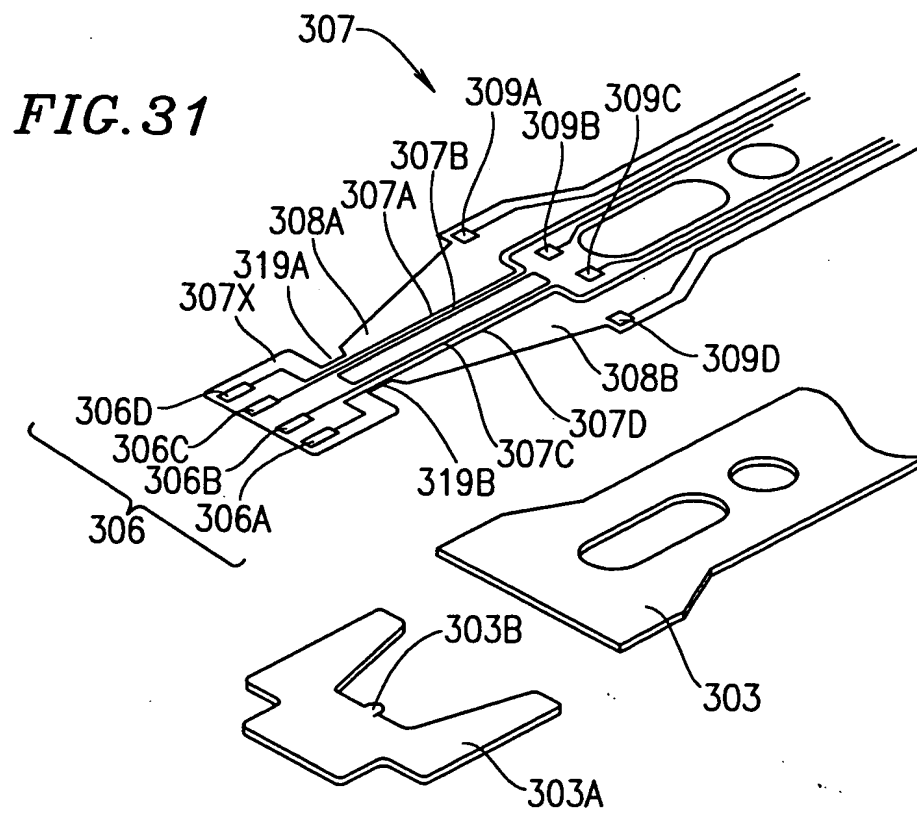
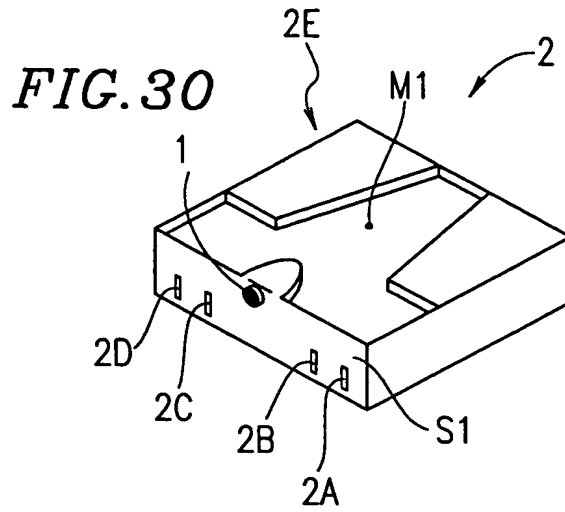


FIG. 32

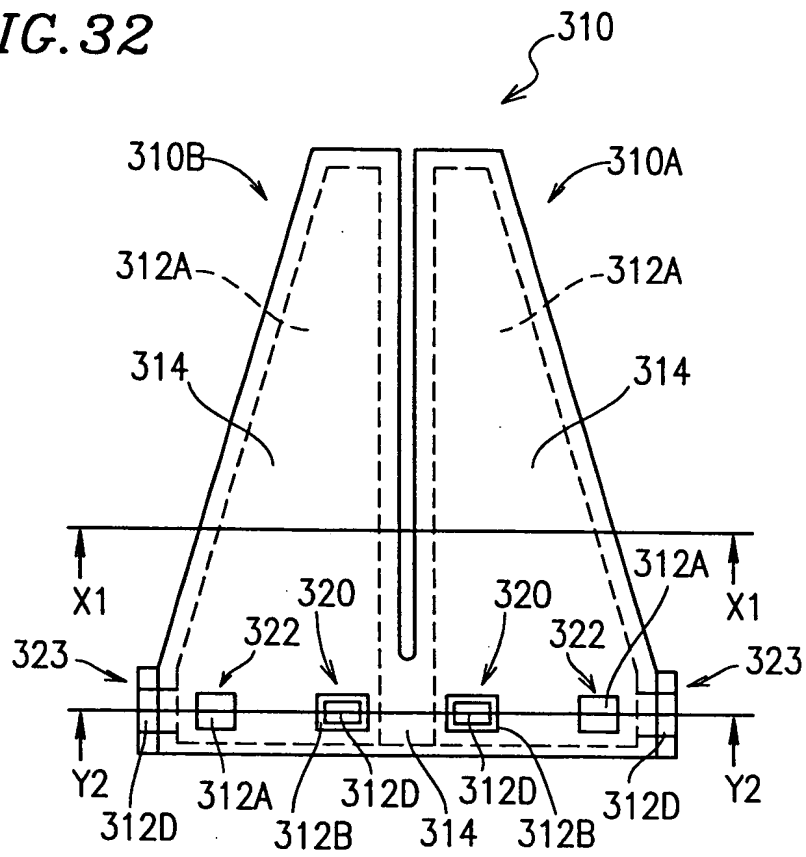
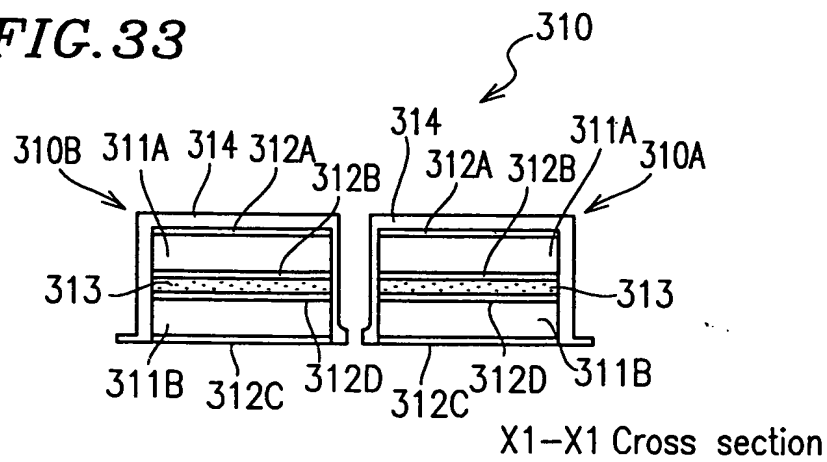


FIG. 33



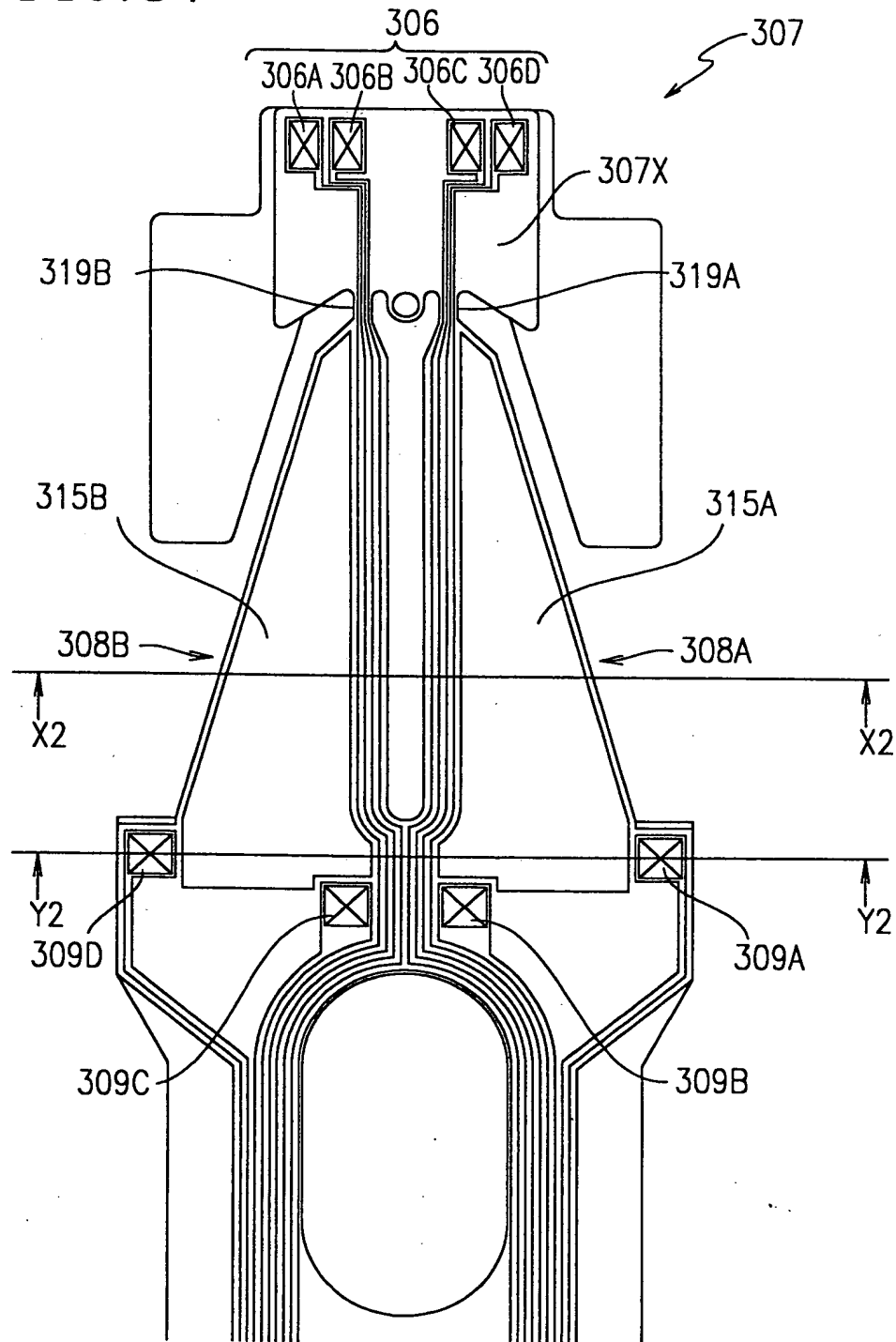
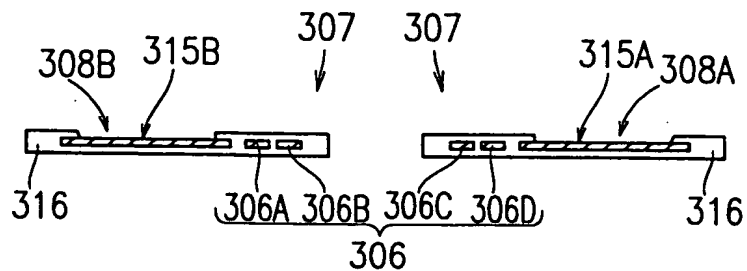
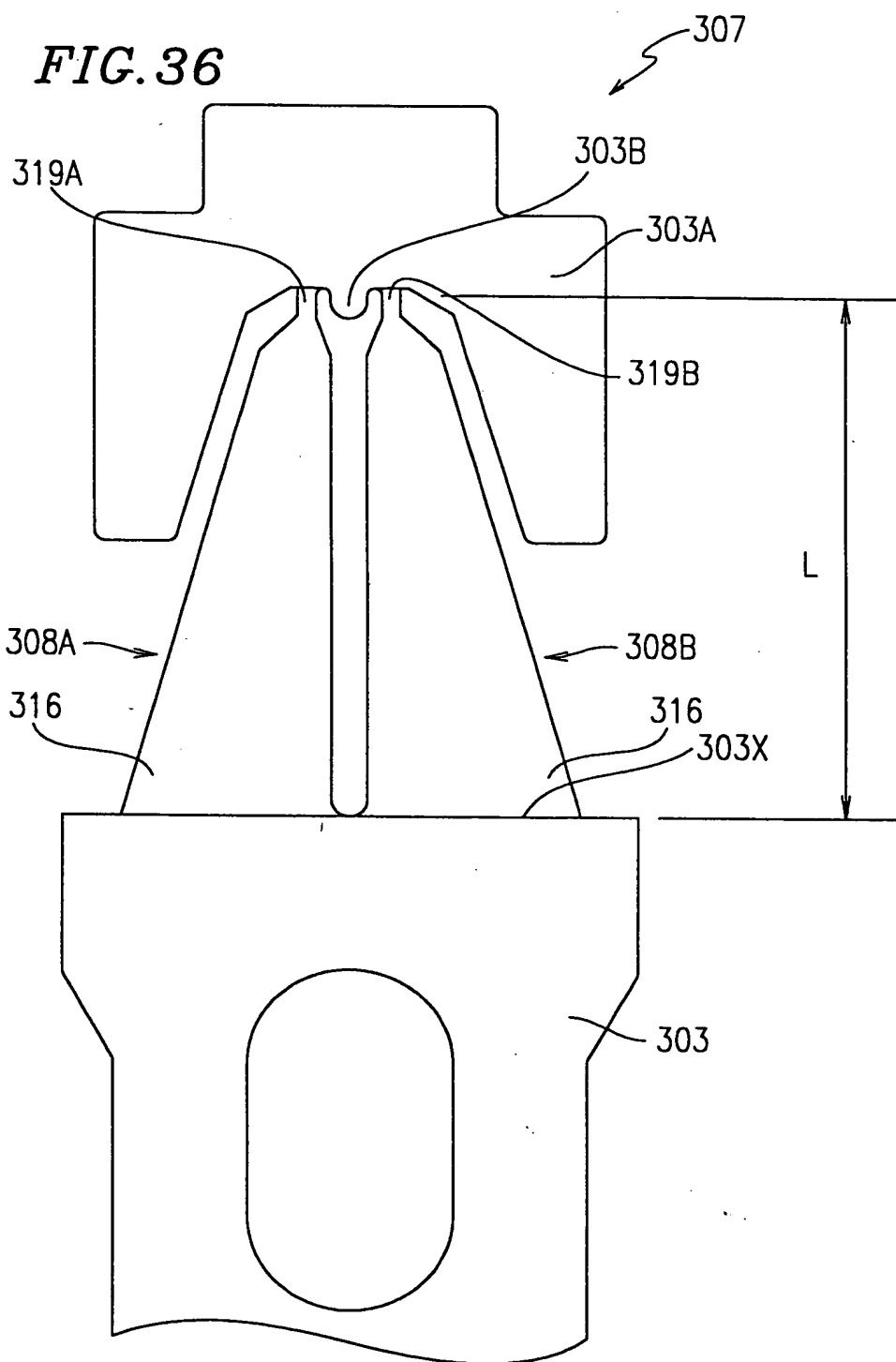


FIG. 35



X2-X2 Cross section



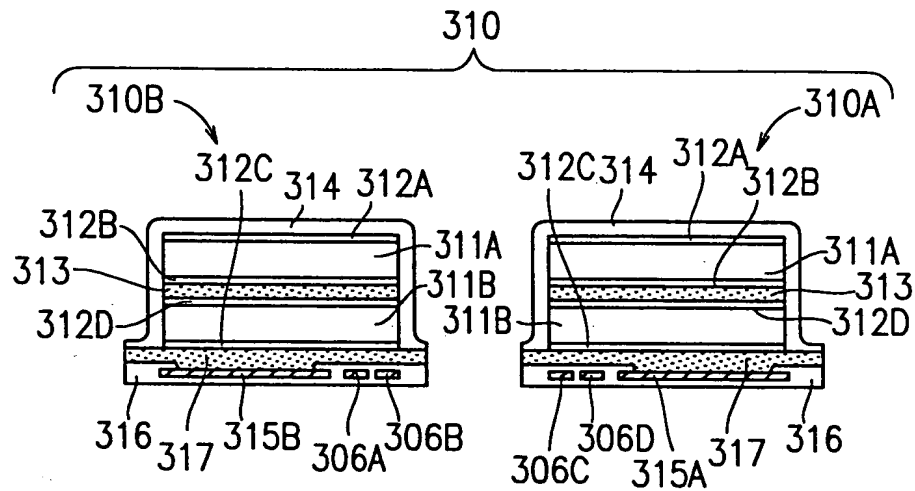


FIG. 38A

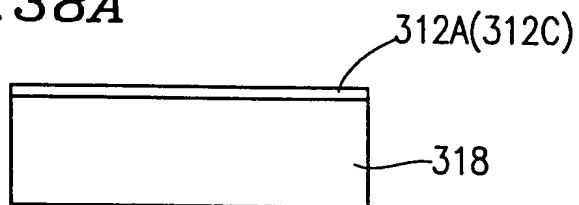


FIG. 38B

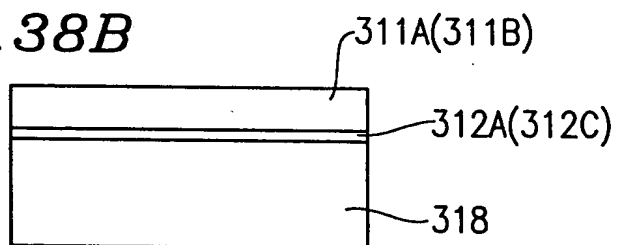


FIG. 38C

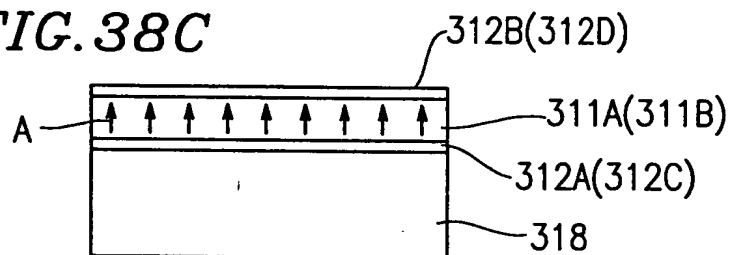


FIG. 39A

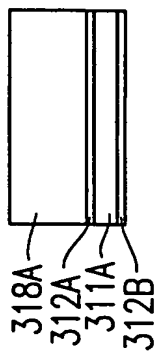


FIG. 39B

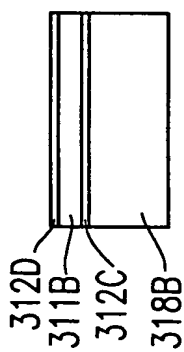


FIG. 39E

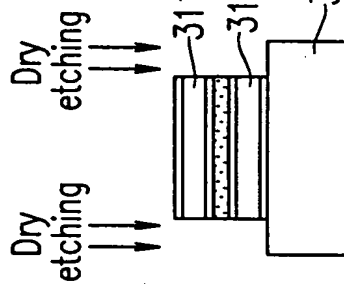


FIG. 39C

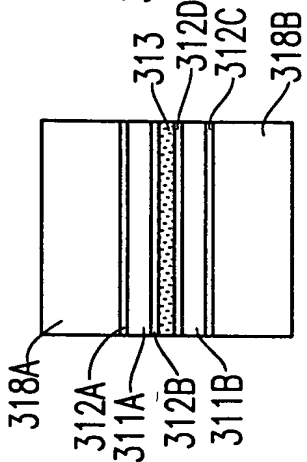


FIG. 39D

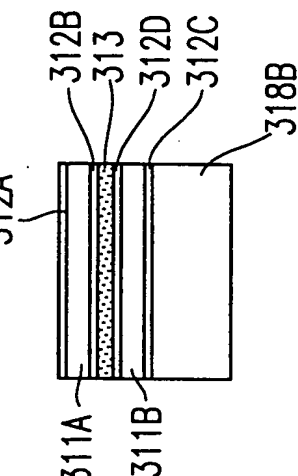


FIG. 39F

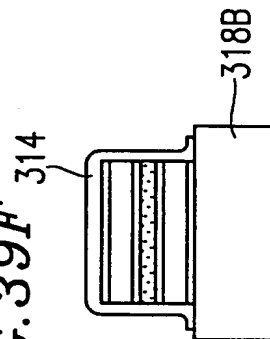
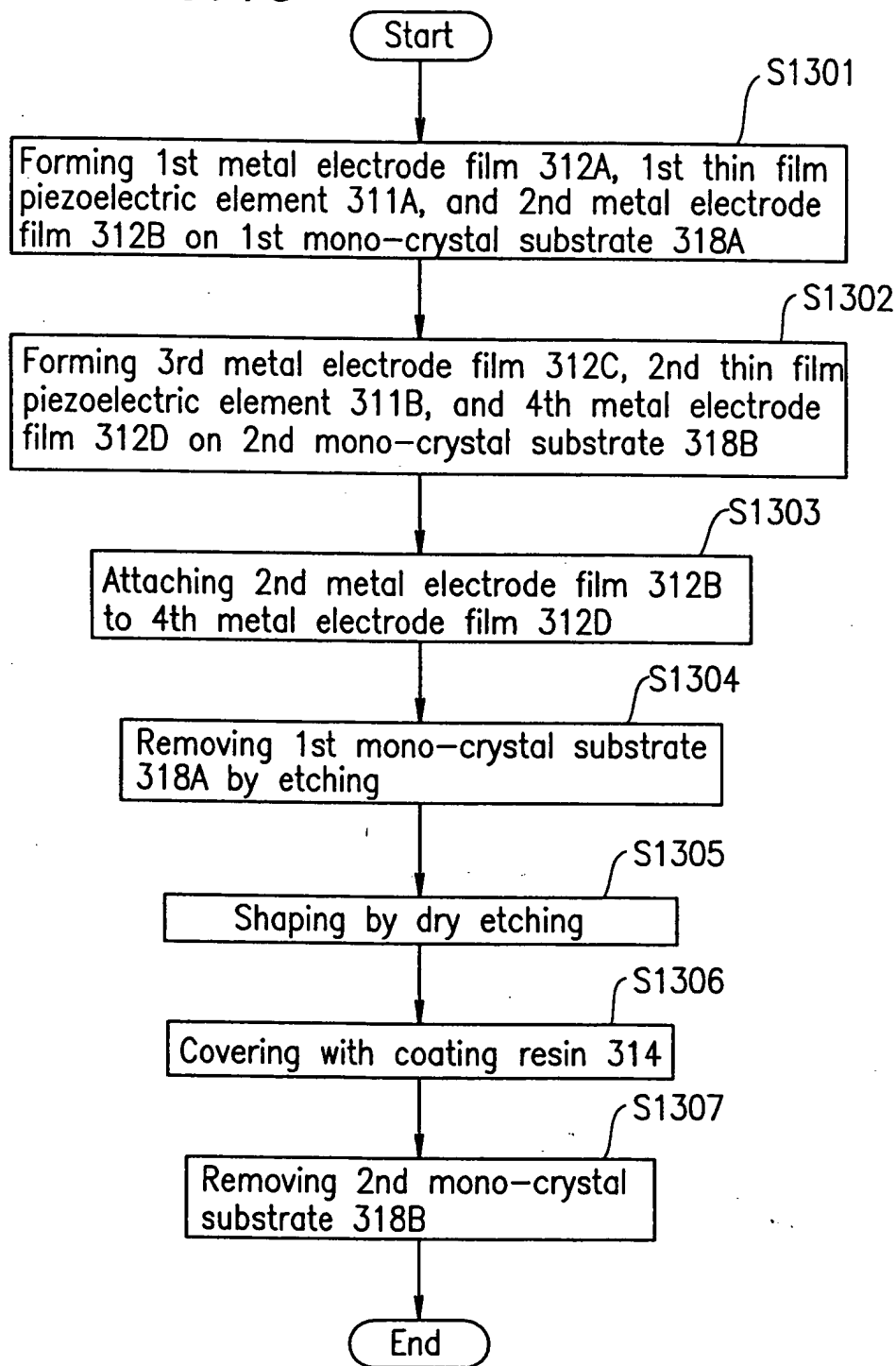


FIG. 39G



FIG. 40



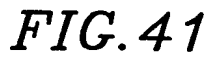


FIG. 43A

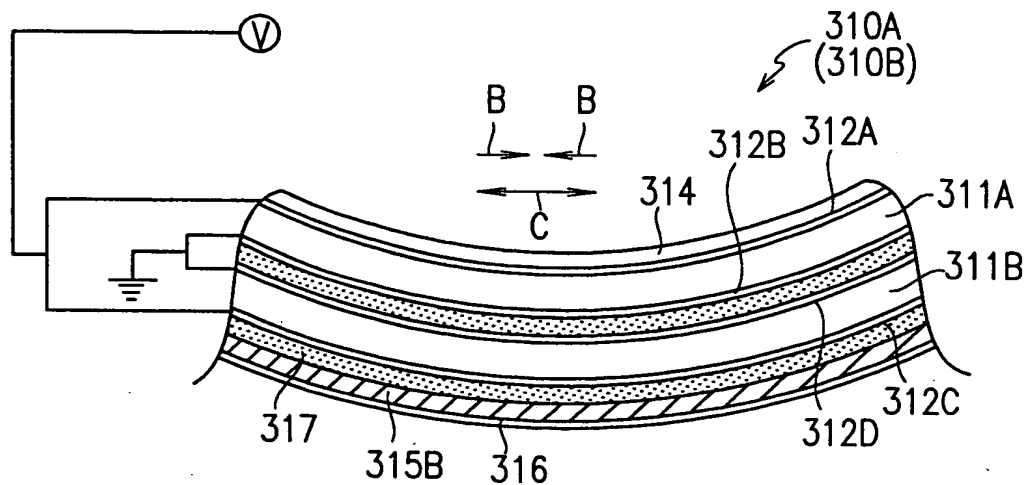


FIG. 43B

Voltage applied to
 thin film piezoelectric
 terminal 309A

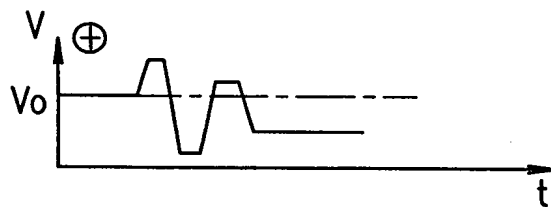
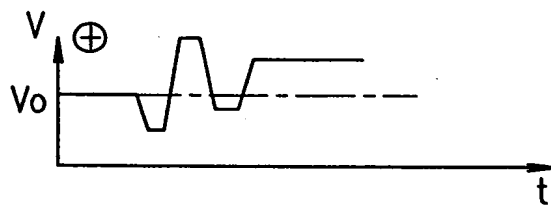
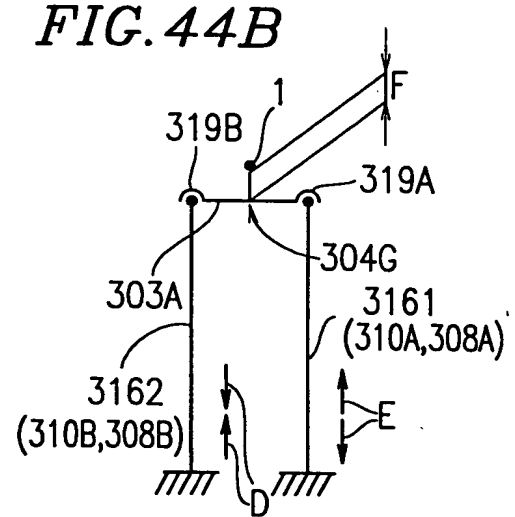


FIG. 43C

Voltage applied to
 thin film piezoelectric
 terminal 309D





400

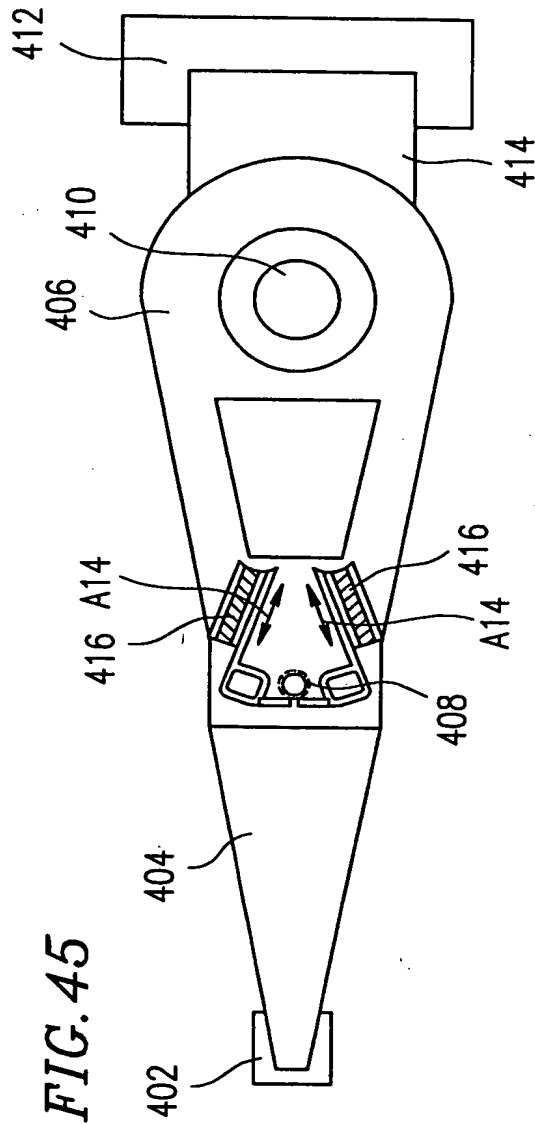


FIG. 45